Immunotag™ HECAM Polyclonal Antibody

Antibody Specification

Catalog No.	ITN2377
Product Description	Immunotag™ HECAM Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	HECAM
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 10-90
Specificity	HECAM Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	HEPACAM
Accession No.	Q14CZ8 Q640R3
Description	hepatic and glial cell adhesion molecule(HEPACAM) Homo sapiens The protein encoded by this gene is a single-pass type I membrane protein that localizes to the cytoplasmic side of the cell membrane. The encoded protein acts as a homodimer and is involved in cell motility and cell-matrix interactions. The expression of this gene is downregulated or undetectable in many cancer cell lines, so this may be a tumor suppressor gene. [provided by RefSeq, Jul 2011],

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Protein Expression	Brain,Fetal brain,Hypothalamus,Liver,
Subcellular Localization	cytoplasm,cell-cell junction,integral component of membrane,axon,
Protein Function	caution:Product of a dubious CDS prediction. Encoded by the 3'-UTR of HEPACAM.,domain:The cytoplasmic domain plays an important role in regulation of cell-matrix adhesion and cell motility.,function:Involved in regulating cell motility and cell-matrix interactions. May inhibit cell growth through suppression of cell proliferation.,induction:Down-regulated in 20 out of 23 of hepatocellular carcinoma (HCC) samples and is undetectable in 5 HCC cell lines tested.,PTM:N-glycosylated.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subcellular location:In MCF7 breast carcinoma and hepatic Hep3B and HepG2 cell lines, localization of HEPACAM is cell density-dependent. In well spread cells, localized to punctate structures in the perinuclear membrane, cytoplasm, and at cell surface of protusions. In confluent cells, localized predominantly to the cytoplasmic membrane, particularly in areas of cell-cell contacts. Colocalizes with CDH1.,subunit:Homodimer. Dimer formation occurs predominantly through cis interactions on the cell surface.,tissue specificity:Expressed in liver. Expression is either downregulated or lost in hepatocellular carcinomas (HCC).,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.

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